Amendments to the Claims:

This Listing of Claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

Claim 1 (canceled).

2. (currently amended) The semiconductor laser module, as defined in the claim 1, wherein: A semiconductor laser module, comprising:

a semiconductor laser element;

a frame for storing said semiconductor laser element therein;

an optical fiber fixing portion being connected to said frame; and

a flange being connected to said frame, and having a fixing portion for fixing said frame on a substrate, wherein said flange has a narrow width region between a fixing region, including a fixing portion with said substrate therein, and said frame, and said narrow width region is narrower than width of said fixing region; and wherein:

said frame has a polygonal shape,

said flange has a first flange connecting to a first main side of said frame and a second flange connecting to a second main side of said frame opposing to said first main side thereof,

said first flange is provided in a first region on said first main side, which is divided by an elongated line of a line connecting a portion where said semiconductor laser element is disposed and a portion where an optical fiber of said optical fiber fixing portion is disposed, while no flange is provided in a second region located on a reverse side of said first region, and

no flange is provided in a third region located on the second main side of said frame on a side of said first region, opposing to said first main side, while said second flange is provided in a fourth region located on a side of said second region.

3. (original) The semiconductor laser module, as defined in the claim 1, wherein:

said frame has a polygonal shape,

said flange has a first flange connecting to a first main side of said frame and a second flange connecting to a second main side of said frame opposing to said first main side thereof,

the connecting portion of said first flange to said frame and said connecting portion of said first flange are disposed in a first region on said first main side, which is divided by an elongated line of a line connecting a portion where said semiconductor laser element is disposed and a portion where an optical fiber of said optical fiber fixing portion is disposed,

the connecting portion of said second flange to said frame and said connecting portion of said second flange are disposed in a fourth region, locating at a side of said second region on the second main side of said frame opposing to said first side thereof.

4. (original) The semiconductor laser module, as defined in the claim 1, wherein:

said frame has a polygonal shape,

said flange has a first flange connecting to a first main side of said frame and a second flange connecting to a second main side of said frame opposing to said first main side thereof,

the connecting portion of said first flange to said frame and said fixing portion of said first flange are provided in a first region on said first main side, which is divided by an elongated line of a line connecting a portion where said semiconductor laser element is disposed and a portion where an optical fiber of said optical fiber fixing portion is disposed, and

the connecting portion of said second flange to said frame and said fixing portion of said flange are provided in a fourth region located on a side of said second region on the second main side of said frame, opposing to said first main side.

5. (original) The semiconductor laser module, as defined in the claim 1, wherein said fixing region and said narrow width region are so formed that difference between those on a side surface of said flange at a side far from said semiconductor element is larger than that between said fixing region and said narrow width region on the side surface of said flange at a side near to said semiconductor element.

- 6. (original) The semiconductor laser module, as defined in the claim 1, wherein thickness of said flange in said narrow width region is formed to be thinner than that in said fixing region thereof.
 - 7. (original) A semiconductor laser module, comprising:
 - a semiconductor laser element;
 - a mounting substrate for mounting said semiconductor laser element thereon;
 - a frame for storing said substrate therein;
 - an optical fiber fixing portion being connected to said frame; and
- a flange being connected to said frame, and having a fixing portion for fixing said frame on a substrate, wherein said flange has a narrow width region between a fixing region, including a foxing portion with said substrate therein, and

thermal expansion coefficients α of material making up said mounting substrate and said frame sidewall and said substrate have following relationship:

said frame sidewall $\alpha_1 >$ said mounting substrate $\alpha_2 >$ said substrate α_3 .

- 8. (original) A semiconductor laser module, comprising:
- a semiconductor laser element;
- a mounting substrate for mounting said semiconductor laser element thereon;
- a frame for storing said substrate therein;
- an optical fiber fixing portion being connected to said frame; and
- a flange being connected to said frame, and having a fixing portion for fixing said frame on a substrate, wherein said flange has a narrow width region between a fixing region, including a foxing portion with said substrate therein, and

thermal expansion coefficients α of material making up said mounting substrate and said frame sidewall and said substrate have following relationship:

said frame sidewall α_1 < said mounting substrate α_2 < said substrate α_3 .

- 9. (original) A semiconductor laser module, comprising:
- a semiconductor laser element;
- a frame for storing said semiconductor laser element therein; and

a substrate, on which said frame is fixed, wherein said frame comprises a flange having an optical fiber fixing portion and a fixing portion for fixing said frame on said substrate,

said flange has a narrow width region between a fixing region, including a fixing portion with said substrate therein, and said frame, being narrower than width of said fixing region,

further comprising a frame cover portion for covering over said semiconductor laser element and connecting to said frame, and a substrate cover portion for covering over said frame and connecting to said substrate, and

a member is provided between said frame cover portion, being lower in rigidity and being high in heat conductivity than said frame.

10. (original) The semiconductor laser module, as defined in the claim 9, wherein said substrate cover portion is formed, so that thickness in a region where said member is disposed is thicker than that in an outside of the region where said member is disposed.

11. (new) A semiconductor laser module comprising:

a semiconductor laser element;

a polygonal frame for holding the semiconductor laser element therein; an optical fiber fixing portion connected to the frame;

a flange connected to the frame, and having a fixing portion for fixing the frame on a substrate, wherein the flange has a narrow width region between a fixing region, including a fixing portion with the substrate and the frame, and the narrow width region is narrower than width of the fixing region;

wherein the flange includes a first flange connecting to a first main side of the frame and a second flange connecting to a second main side of the frame opposing the first main side:

the first flange is provided in a first region on the first main side, which is divided by an elongated line of a line connecting a portion where the semiconductor laser element is disposed and a portion where an optical fiber of the optical fiber fixing portion is therein:

disposed, while no flange is provided in a second region located on a reverse side of the first region, and

no flange is provided in a third region located on the second main side of the frame on a side of the first region, opposing to the first main side, while the second flange is provided in a fourth region located on a side of the second region.

12. (new) A semiconductor laser module comprising:

a semiconductor laser element;

a frame having a polygonal shape for holding the semiconductor laser element

an optical fiber fixing portion connected to the frame; and

a flange connected to the frame, and having a fixing portion for fixing the frame on a substrate, wherein the flange has a narrow width region between a fixing region, including a fixing portion with the substrate therein and the frame, and the narrow width region is narrower than width of the fixing region;

the flange has a first flange connecting to a first main side of the frame and a second flange connecting to a second main side of the frame opposing to the first main side thereof, the connecting portion of the first flange to the frame and the connecting portion of the first flange are disposed in a first region on the first main side, which is divided by an elongated line of a line connecting a portion where the semiconductor laser element is disposed and a portion where an optical fiber of the optical fiber fixing portion is disposed,

the connecting portion of the second flange to the frame and the connecting portion of the second flange are disposed in a fourth region located at a side of the second region on the second main side of the frame opposing to the first side thereof.

13. (new) A semiconductor laser module comprising:

a semiconductor laser element;

a polygonal frame for holding the semiconductor laser element therein;

an optical fiber fixing portion connected to the frame; and

a flange connected to the frame, and having a fixing portion for fixing the frame on a substrate, wherein the flange has a narrow width region between a fixing region,

including a fixing portion with the substrate therein, and the frame, and the narrow width region is narrower than width of the fixing region;

the flange includes a first flange connecting to a first main side of the frame and a second flange connecting to a second main side of the frame opposing to the first main side thereof:

the connecting portion of the first flange to the frame and the fixing portion of the first flange are provided in a first region on the first main side, which is divided by an elongated line of a line connecting a portion where the semiconductor laser element is disposed and a portion where an optical fiber of the optical fiber fixing portion is disposed; and

the connecting portion of the second flange to the frame and the fixing portion of the flange are provided in a fourth region located on a side of the second region on the second main side of the frame, opposing to the first main side.

- 14. (new) A semiconductor laser module comprising:
- a semiconductor laser element;
- a frame for holding the semiconductor laser element therein;
- an optical fiber fixing portion connected to the frame; and

a flange connected to the frame, and having a fixing portion for fixing the frame on a substrate, wherein the flange has a narrow width region between a fixing region, including a fixing portion with the substrate therein, and the frame, and the narrow width region is narrower than width of the fixing region;

wherein the fixing region and the narrow width region are so formed that difference between those on a side surface of the flange at a side far from the semiconductor element is larger than that between the fixing region and the narrow width region on the side surface of the flange at aside near to the semiconductor element.

- 15. (new) A semiconductor laser module comprising:
- a semiconductor laser element;
- a frame for holding the semiconductor laser element therein;
- an optical fiber fixing portion connected to the frame;

a flange connected to the frame, and having a fixing portion for fixing the frame on a substrate, wherein the flange has a narrow width region between a fixing region, including a fixing portion with the substrate and the frame, and the narrow width region is narrower than width of the fixing region; and

wherein thickness of the flange in the narrow width region is thinner than that in the fixing region thereof.